DailyCrimePlot

April 30, 2018

In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
import folium
from folium.plugins import HeatMap
import seaborn as sns
from scipy import stats
```

In [2]:
```
df = pd.read_csv("Crimes_-_2001_to_present.csv")
```

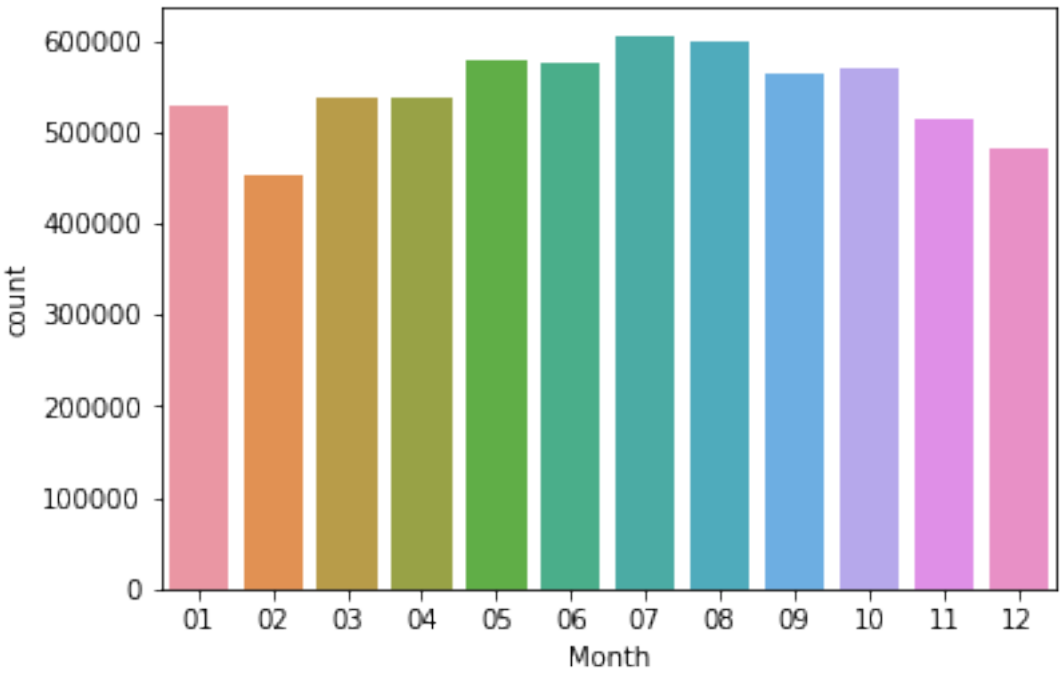
In [3]:
```
def get_month(datestring):
    return datestring.split('/')[0]
```

In [4]:
```
def get_day(datestring):
    return datestring.split('/')[1]
```

In [5]:
```
df['Month'] = df['Date'].apply(get_month)
df['Day'] = df['Date'].apply(get_day)
print(df.columns.values)
```

```
['ID' 'Case Number' 'Date' 'Block' 'IUCR' 'Primary Type' 'Description'
 'Location Description' 'Arrest' 'Domestic' 'Beat' 'District' 'Ward'
 'Community Area' 'FBI Code' 'X Coordinate' 'Y Coordinate' 'Year'
 'Updated On' 'Latitude' 'Longitude' 'Location' 'Month' 'Day']
```

In [6]:
```
ax = sns.countplot(x='Month', data=df)
```



In [16]:
```
fig, ax = plt.subplots(figsize=(25,10))
plt.title("Daily Crime Rate")

ax = sns.countplot(x='Month', data=df, hue='Day')
ax.legend().set_visible(False)
plt.savefig('DailyCrime.png')
plt.show()
```